

What is claimed is:

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1 A method of communications between a first device and a peripheral
2 device over a network, comprising:
3 receiving, by a system, a message from the first device to establish a
4 communications session with the peripheral device, the message being according to a
5 first protocol defining real-time interactive sessions;
6 establishing a communications session between the first device and the
7 system over the network; and
8 converting, in the system, between data according to the first protocol
9 and data according to a second protocol that defines a peripheral link from the system
10 to the peripheral device.

1 2. The method of claim 1, wherein receiving the message includes
2 receiving a Session Initiation Protocol message.

1 3. The method of claim 1, wherein establishing the communications
2 session includes establishing one of a Session Initiation Protocol session and an H.323
3 session.

1 4. The method of claim 2, wherein converting the data includes
2 converting between a Session Initiation Protocol format and a Universal Serial Bus
3 format.

1 5. The method of claim 1, wherein the peripheral link is selected from the
2 group consisting of a Universal Serial Bus port, a parallel port, a serial port, a Small
3 Computer Systems Interface port, and a Personal Computer Memory Card
4 International Association port.

1 6. The method of claim 1, wherein establishing the communications
2 includes establishing a streaming call session.

1 7. The method of claim 6, wherein establishing the streaming call session
2 includes establishing a Session Initiation Protocol session.

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1 8. The method of claim 1, further comprising sending one or more
2 commands to the peripheral device to control operation of the peripheral device.

1 9. The method of claim 1, further comprising sending status information
2 of the peripheral device to the first device.

1 10. The method of claim 1, further comprising establishing a real-time call
2 session between the first device and the peripheral device.

1 11. The method of claim 1, wherein establishing the communications
2 session includes establishing a conferencing session among the first device, the
3 peripheral device, and another device.

1 12. The method of claim 11, wherein establishing a conferencing session
2 includes establishing a multicast session.

1 13. The method of claim 1, further comprising:
2 receiving another message to establish a second communications
3 session while the first communication session is active; and
4 performing one of sending a busy indication and over-riding the first
5 communications session.

1 14. The method of claim 1, further comprising:
2 establishing a communications session between the first device and a
3 second system; and
4 converting, in the second system, between data according to the first
5 protocol and data according to the second protocol.

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1 15. A system comprising:
 2 a first interface capable of communicating with a packet-based
 3 network according to a first protocol that defines real-time interactive
 4 communications sessions received over the packet-based network;
 5 a second interface capable of communicating with a peripheral device
 6 according to a second protocol; and
 7 a controller to convert a message according to the first protocol to data
 8 according to the second protocol for communicating to the peripheral device.

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1 16. The system of claim 15, wherein the peripheral device includes a
 2 Universal Serial Bus device.

1 17. The system of claim 16, wherein the first protocol includes one of a
 2 Session Initiation Protocol and an H.323 Recommendation.

1 18. The system of claim 15, further comprising a Session Initiation
 2 Protocol stack to process Session Initiation Protocol messages.

1 19. The system of claim 15, wherein the second interface includes a
 2 Universal Serial Bus interface.

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1 20. The system of claim 19, further comprising a Universal Serial Bus
 2 client to manage communications with the peripheral device.

1 21. The system of claim 20, further comprising an interface between the
 2 controller and the Universal Serial Bus client, the interface including one or more
 3 application programming interfaces.

1 22. The system of claim 21, wherein plural application programming
 2 interfaces are assigned different uniform resource locators.

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1 23. The system of claim 15, wherein the second interface is adapted to
2 receive an indication of a status change of the peripheral device, the controller
3 adapted to send one or more messages to a remote device over the packet-based
4 network concerning the status change.

1 24. The system of claim 15, wherein the data communicated to the
2 peripheral device includes a command to control operation of the peripheral device.

1 25. The system of claim 15, wherein the controller is adapted to establish a
2 real-time interactive call session with a remote device coupled to the packet-based
3 network and the peripheral device.

1 26. A method of accessing a non-telephony device coupled to a system
2 over a link defined according to a first protocol, comprising:
3 receiving, by the system, a message from a telephony device, the
4 message defined according to a telephony protocol; and
5 converting the telephony protocol message into data according to the
6 first protocol for communication over the link to the non-telephony device.

1 27. The method of claim 26, wherein the telephony protocol includes a
2 Session Initiation Protocol.

1 28. The method of claim 27, wherein the first protocol includes a
2 Universal Serial Bus protocol.

1 29. The method of claim 26, wherein the first protocol includes a
2 Universal Serial Bus protocol.

1 30. The method of claim 26, wherein receiving the message includes
2 receiving a Session Initiation Protocol Invite request.

1 31. The method of claim 26, further comprising sending, in response to the
2 received message, one or more commands to the non-telephony device to perform one
3 or more predetermined actions by the non-telephony device.

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1 32. An article including one or more machine-readable storage media
2 containing instructions for controlling a system coupled to a packet-based network
3 and a peripheral link, the instructions when executed causing the system to:
4 communicate a message over the packet-based network, the message
5 defined according to a first protocol for real-time interactive sessions;
6 convert between the message and data according to a second protocol
7 defining communications over the peripheral link; and
8 communicate the data over the peripheral link.

1 33. The article of claim 32, wherein the one or more storage media contain
2 instructions that when executed cause the system to communicate a command to
3 control operation of a peripheral device coupled to the peripheral link.

1 34. The article of claim 32, wherein the messages according to the first
2 protocol and the data according to the second protocol are part of a voice-based call
3 session.

1 35. The article of claim 32, wherein the one or more storage media contain
2 instructions that when executed cause the system to receive data from the peripheral
3 link indicative of a status change of a peripheral device coupled to the peripheral link.

1 36. The article of claim 32, wherein the first protocol includes a Session
2 Initiation Protocol and the second protocol includes a Universal Serial Bus protocol.

1 37. A data signal embodied in a carrier wave comprising one or more code
2 segments containing instructions for controlling a system coupled to a packet-based
3 network and a peripheral link, the instructions when executed causing the system to:
4 receive a message from the first device to establish a communications
5 session with the peripheral device, the message being defined by a first protocol
6 defining real-time interactive sessions;
7 establish a communications session between the first device and the
8 system over the network; and

9 convert between data according to the first protocol and data according
10 to a second protocol defining a peripheral link from the system to the peripheral
11 device.

1 38. A system comprising:
2 means for interfacing a packet-based network according to a first
3 protocol, the first protocol defining real-time interactive communications sessions
4 over the packet-based network;
5 means for interfacing a peripheral device according to a second
6 protocol; and
7 means for translating between data according to the first protocol and
8 data according to the second protocol.

1 39. A system comprising:
2 one or more interfaces capable of communicating with peripheral
3 devices; and
4 a controller adapted to set up communications between the peripheral
5 devices using messaging according to a real-time interactive communications
6 protocol.

1 40. The system of claim 39, wherein the messaging is according to a
2 Session Initiation Protocol.

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